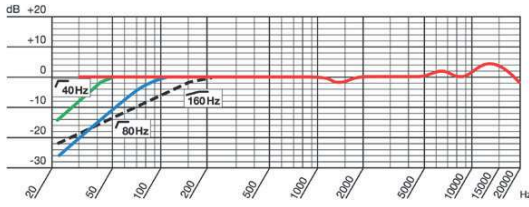


6 Technical data

Type:	1-inch large diaphragm pressure gradient microphone
Polar patterns:	9, selectable
Open-circuit sensitivity:	23 mV/Pa (-33 dBV ± 0.5 dB)
Frequency range:	20 to 20,000 Hz (see frequency response graphs)
Impedance:	≤ 200 ohms
Recommended load impedance:	≥2200 ohms
Bass cut filter slope:	12 dB/octave at 40 Hz and 80 Hz; 6 dB/octave at 160 Hz
Preattenuation Pads:	-6 dB, -12 dB, -18 dB (selectable)
Equivalent noise level to IEC 60268-4:	20 dB (0 dB preattenuation)
Equivalent noise level to IEC 60268-4 (A-weighted):	6 dB(A) (0 dB preattenuation)
Signal/noise ratio re 1 Pa (A-weighted):	88 dB
Max. SPL for 0.5% THD:	200/400/800/1600 Pa 140/146/152/158 dB SPL (0/-6/-12/-18 dB preattenuation)
Dynamic range (A-weighted):	134 dB min.
Max. output level (A-weighted):	5 V rms (+14 dBV) (+14 dBV)
Environment:	temperature: -10°C to +60°C R. H.: 95% (+20°C), 85% (+60°C)
Powering:	48 V phantom power to IEC 61938
Current consumption:	approx. 4.5 mA
Connector:	IEC standard 3-pin XLR
Dimensions:	50 x 38 x 160 mm / 2.1 x 1.7 x 6.3 in.
Net weight:	300 g / 10.2 oz.
Patents:	Electrostatic transducer (patents nos. AT 395.225, DE 4.103.784, JP 2.815.488, US 7,356,151)

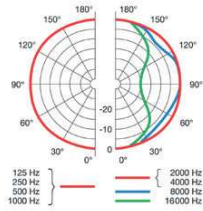
This product conforms to the standards listed in the Declaration of Conformity. You can request the Declaration of Conformity by e-mail from sales@akg.com.

**Frequency response
C414 XLS**

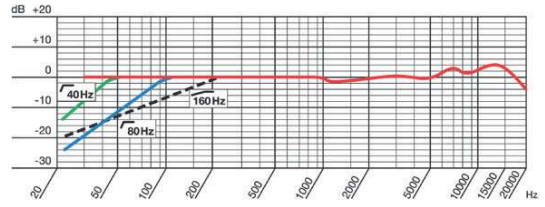


**Polar diagram
C414 XLS / C414 XLII**

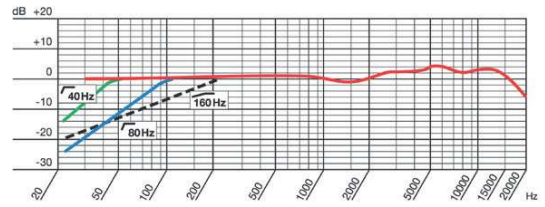
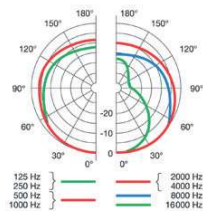
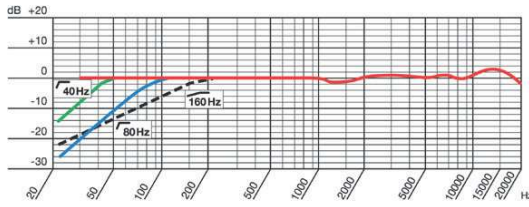
Omnidirectional



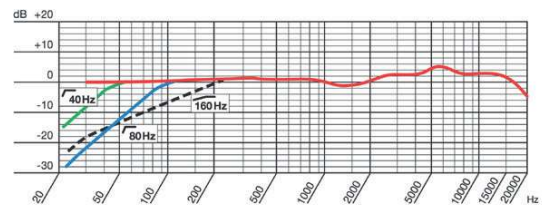
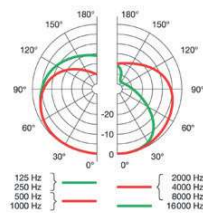
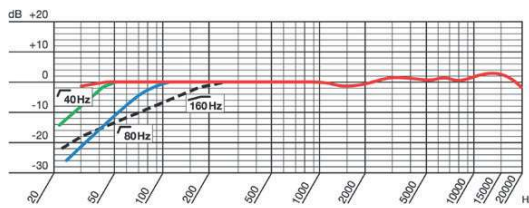
**Frequency response
C414 XLII**



Wide cardioid



Cardioid



Hypercardioid

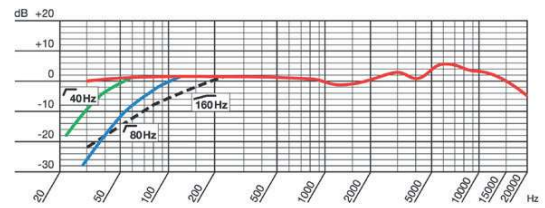
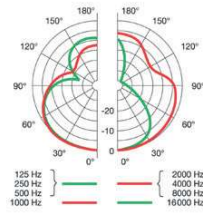
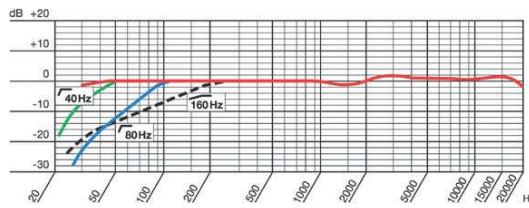


Figure 8

